



## Existing Data Technical Memorandum

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**Date:** August 4th, 2004  
**To:** Nicole McIntosh  
**From:** Matt Ringstad, Project Engineer  
**Project:** Pt. Defiance/Tahlequah Siting Feasibility Study – Draft Existing Data Tech Memo

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As the study focuses primarily on the possibility of relocating the Point Defiance terminal to the Asarco superfund site and the expansion of the existing Tahlequah Terminal, compiling the existing data primarily came from two venues.

### **TAHLEQUAH**

Tahlequah is a current WSF Terminal; therefore most necessary files for the Study came from terminal engineering, and the most recent upland Tahlequah project. The Tahlequah Ferry Terminal Park and Ride Lot was built in 1995. Even though there has been little to no change on the south end of Vashon Island, the original base information has been updated when WSF re-surveyed the area last year. The basemap includes a complete survey of the Tahlequah terminal extending upland to the location of the now existing park and ride lot. Included in the survey are right of way lines, existing utilities, contours and basemap information. Expanded contours beyond the provided survey were obtained through the WSDOT Photogrammetry department and uses elevation data point files derived from Lidar laser technology. The accuracy level of these contours therefore will not be survey accurate, but do show elevations and changes in topography within 2 foot resolution. Terminal Engineering keeps aerial photos of all existing Terminals and was therefore provided through WSF's existing Tahlequah directory.

WSF is also in the process of acquiring additional right of way from Myrtle Mortensen. Her property is located adjacent to the Terminal property along the beach. The study is assuming this as WSF property in the development of the conceptual site layouts. The King County parcel viewer was used to identify and locate the extents of the Mortensen Property before the formal acquisition.

Along with the Asarco site CH2M Hill will investigate existing environmental data for the Tahlequah site and provide their discoveries in the Natural Resource Technical Memorandum. Presently available data includes historical geotechnical data, an underwater survey and some environmental survey. The geotech information consists of historical boring logs and reports. The underwater survey was completed 2 years ago and centered on identifying prop wash sediment displacement through bathymetric data. Environmental files reveal eel grass delineation in an area on one side of the Terminal, more could be discovered based on this investigation. Please see the Natural Resource Technical Memorandum for more detailed explanation on existing environmental data.

### **ASARCO**

Information and data for the Asarco site came from the On-site Asarco Team. Asarco has been the managing company for all the environmental remediation on the site both upland and near shore. Asarco's long-term plan involves developing the site into retail, commercial office space, residential space and parks. Asarco is still in the upland stage of remediation, which has been estimated to take up to 4 more years to complete before they focus on the offshore/near shore



## **Proposal** *(Continued)*

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clean up. Asarco has provided, area basemaps, existing utilities, bathymetry, upland final cap grade, near shore sediment cap plans, and the complete 1997 Master Development Plan. Parametrix is currently working on the revision of the Master Development plan, but most of the revision has been put on hold because of the emphasis placed on the upland remediation. In the Master Development plan, Appendix 1 provides the supporting geotechnical analysis regarding the site.

The environmental component of the Asarco site is very extensive. The site itself has been designated a federal superfund site by the EPA. CH2M Hill has been contracted to focus entirely on investigating the existing environmental data that is available for this site.

A flyover was ordered over the Asarco site to produce high-resolution aerial photos for display purposes with site layout concepts. These concepts coupled with the photo will be included in the Final Feasibility Study.